

Title (en)

Lock mechanism for electric retractable seat for vehicle

Title (de)

Sperrmechanismus für einen elektrisch einziehbaren Fahrzeugsitz

Title (fr)

Mécanisme de verrouillage pour siège rétractable électriquement pour véhicule

Publication

EP 2287039 A3 20180110 (EN)

Application

EP 10173202 A 20100818

Priority

JP 2009192550 A 20090821

Abstract (en)

[origin: EP2287039A2] A lock mechanism for an electric retractable seat for a vehicle, includes a seat cushion frame (13), a seat back frame (17), a guide groove (28), a latch (42) including an engagement opening portion (42a), a slide member (16) disengaging from the engagement opening portion (42a) when the latch (42) is in an unlocked position, engaging with the engagement opening portion (42a) during a movement of the seat cushion frame (13) to the seating position, and being locked between the guide groove (28) and the engagement opening portion (42a) when the latch (42) is in a locked position, a pawl (43) for restricting the latch (42) from pivoting when the pawl (43) is in a restricted position, and allowing the latch (42) to pivot when the pawl (43) is in a released position, a releasing member (47) for rotating the pawl (43).

IPC 8 full level

B60N 2/30 (2006.01); **B60N 2/02** (2006.01)

CPC (source: EP US)

B60N 2/02246 (2023.08 - EP US); **B60N 2/3011** (2013.01 - EP US); **B60N 2/3065** (2013.01 - EP US); **B60N 2/309** (2013.01 - EP US); **B60N 2/3093** (2013.01 - EP US)

Citation (search report)

- [A] US 2008224518 A1 20080918 - YAMADA YUKIFUMI [JP], et al
- [A] EP 1516771 A1 20050323 - ARACO KK [JP]
- [AD] JP 2007062510 A 20070315 - AISIN SEIKI, et al
- [A] US 2007046074 A1 20070301 - SATTA HIROKI [JP], et al
- [E] US 2010270823 A1 20101028 - IWASA KAZUYA [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2287039 A2 20110223; **EP 2287039 A3 20180110**; **EP 2287039 B1 20180919**; CN 101992711 A 20110330; CN 101992711 B 20150429; JP 2011042290 A 20110303; JP 5448642 B2 20140319; TR 201816016 T4 20181121; US 2011043017 A1 20110224; US 8360497 B2 20130129

DOCDB simple family (application)

EP 10173202 A 20100818; CN 201010260383 A 20100820; JP 2009192550 A 20090821; TR 201816016 T 20100818; US 85996710 A 20100820